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Applicants: ARAI et al

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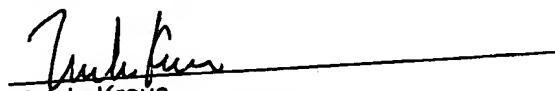
Sir:

In the matter of the above-identified application, insofar as applicants have not previously submitted pages 23 - 25 of Appendix A, previously referred to in the submissions, applicants are submitting a copy of pages 23 - 25 and request consideration by the Examiner of such documents.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Antonelli, Terry, Stout & Kraus, LLP, Deposit Account No. 01-2135 (Case: 520.32696CC8) and please credit any excess fees to such deposit account.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP


Melvin Kraus
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Attachments



1 **Appendix A**
 2 **List of Prior Art**
 3

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4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Patents	Inventors	Issue Dates	Bates Numbers
US 4,007,443	Bromberg et al.	February 1977	see file history																									
US 4,047,158	Jennings	September 1977	see file history																									
US 4,159,480	Tachi	June 1979	see file history																									
US 4,169,262	Schwartz et al.	September 1979	see file history																									
US 4,177,462	Chung	December 1979	see file history																									
US 4,197,590	Sukonick et al.	April 1980	see file history																									
US 4,251,755	Bryden	February 17, 1981	TPV 038241-8249																									
US 4,342,029	Hofmanis et al.	July 27, 1982	TPV 038250-8261																									
US 4,394,689	Wallace et al.	July 19, 1983	TPV 038262-8265																									
US 4,415,985	McDaniel et al.	November 1983	see file history																									
US 4,450,535	De Pommery et al.	April 1984	see file history																									
US 4,468,768	Sunkle et al.	August 28, 1984	TPV 038266-8272																									
US 4,563,677	Seiler	January 7, 1986	TPV 038273-8282																									
US 4,574,279	Roberts	March 4, 1986	TPV 038283-8307																									
US 4,589,063	Shah et al.	May 1986	see file history																									
US 4,626,837	Priestly	December 2, 1986	TPV 038308-8316																									
US 4,626,892	Norup et al.	December 1986	see file history																									
US 4,641,262	Bryan et al.	February 1987	see file history																									
US 4,680,647	Moriyama	July 1987	see file history																									
US 4,689,669	Hoshino et al.	August 25, 1987	TPV 038317-8328																									
US 4,727,362	Rackley et al.	February 23, 1988	TPV 038329-8336																									
US 4,727,947	Naito	March 1988	see file history																									
US 4,736,324	Sainen et al.	April 1988	see file history																									
US 4,737,772	Nishi et al.	April 12, 1988	TPV 038337-8354																									
US 4,743,968	Mogi et al.	May 1988	see file history																									
US 4,745,404	Kallenberg	May 17, 1988	TPV 038355-8358																									
US 4,747,041	Engel et al.	May 1988	see file history																									
US 4,754,204	Ando et al.	June 28, 1988	TPV 038359-8369																									
US 4,757,239	Starkey, IV	July 12, 1988	TPV 038370-8385																									
US 4,775,857	Staggs	October 1988	see file history																									
US 4,779,132	McBeath et al.	October 18, 1988	TPV 038386-8391																									
US 4,789,856	Yokota et al.	December 6, 1988	TPV 038392-8396																									
US 4,794,381	Iwai	December 27, 1988	TPV 038397-8403																									
US 4,800,376	Suga et al.	January 24, 1989	TPV 038404-8421																									
US 4,882,687	Gordon	November 1989	see file history																									
US 4,893,248	Pitts et al.	January 1990	see file history																									
US 4,922,448	Kunieda et al.	May 1990	see file history																									
US 4,970,655	Winn et al.	November 1990	see file history																									
US 4,980,678	Zenda	December 25, 1990	TPV 038422-8446																									
US 4,990,904	Zenda	February 1991	see file history																									
US 4,991,023	Nicols	February 5, 1991	TPV 038447-8466																									
US 5,010,238	Kadono et al.	April 1991	see file history																									
US 5,012,339	Kurata et al.	April 1991	see file history																									
US 5,031,118	Morizot	July 9, 1991	TPV 038467-8473																									
US 5,038,301	Thoma, III	August 6, 1991	H00001518-1527																									
US 5,068,732	Satoh	November 1991	see file history																									

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1	US 5,109,434	Shinmizu et al.	April 28, 1992	TPV 038474-8535
2	US 5,136,695	Goldshlag et al.	August 4, 1992	TPV 038536-8551
3	US 5,138,305	Tomivasu	August 11, 1992	TPV 038552-8565
4	US 5,142,576	Nadan	August 25, 1992	TPV 038566-8585
5	US 5,150,109	Berry	September 1992	see file history
6	US 5,151,997	Bailey et al.	September 29, 1992	TPV 038586-8600
7	US 5,159,683	Lvovsky et al.	October 27, 1992	TPV 038601-8607
8	US 5,216,504	Webb et al.	June 1, 1993	TPV 038608-8631
9	US 5,227,863	Bilbrey et al.	July 13, 1993	TPV 038632-8714
10	US 5,227,881	Wess et al.	July 1993	see file history
11	US 5,241,281	Wilkes et al.	August 31, 1993	TPV 038715-8725
12	US 5,251,031	Tagami	October 1993	see file history
13	US 5,257,350	Howard et al.	October 26, 1993	TPV 038726-8739
14	US 5,262,759	Moriconi et al.	November 16, 1993	TPV 038740-8750
15	US 5,270,821	Samuels	December 14, 1993	TPV 038751-8776
16	US 5,276,458	Sawdon	January 4, 1994	TPV 038777-8783
17	US 5,276,875	Satoh	January 1994	see file history
18	US 5,282,247	McLean et al.	January 1994	see file history
19	US 5,285,197	Schmidt et al.	February 8, 1994	TPV 038784-8799
20	US 5,309,174	Minkus	May 3, 1994	TPV 038800-8806
21	US 5,309,504	Morganstein	May 1994	see file history
22	US 5,315,695	Saito et al.	May 1994	see file history
23	US 5,317,691	Traeger	May 1994	see file history
24	US 5,319,582	Ma	June 7, 1994	TPV 038807-8811
25	US 5,321,750	Nadan	June 14, 1994	TPV 038812-8894
26	US 5,347,630	Ishizawa et al.	September 13, 1994	TPV 038895-8905
27	US 5,353,423	Hamid et al.	October 1994	see file history
28	US 5,371,518	Hannah	December 6, 1994	TPV 038906-8931
29	US 5,375,210	Monnes et al.	December 20, 1994	TPV 038932-8943
30	US 5,389,952	Kikinis	February 14, 1995	TPV 038944-8956
31	US 5,396,593	Mori et al.	March 7, 1995	TPV 038957-8963
32	US 5,444,849	Farrand et al.	August 22, 1995	TPV 038964-8985
33	US 5,448,697	Parks et al.	September 5, 1995	TPV 038986-9001
34	US 5,457,473	Arai et al.	October 10, 1995	TPV 039002-9018
35	US 5,483,255	Numao	January 1996	see file history
36	US 5,483,260	Parks et al.	January 9, 1996	TPV 039019-9030
37	US 5,499,040	McLaughlin et al.	March 12, 1996	TPV 039031-9051
38	US 5,506,602	Yokoyama	April 9, 1996	TPV 039052-9082
39	US 5,526,043	Wen	June 11, 1996	TPV 039083-9091
40	US 5,546,098	Moriconi	August 13, 1996	TPV 039092-9134
41	US 5,550,966	Drake et al.	August 1996	see file history
42	US 5,576,735	Kikuchi et al.	November 1996	see file history
43	US 5,599,231	Hibino et al.	February 1997	see file history
44	US 5,602,567	Kanno	February 11, 1997	TPV 039135-9144
45	US 5,691,741	Kerigan et al.	November 25, 1997	TPV 039145-9155
46	US 5,727,191	Konishi et al.	March 10, 1998	TPV 039156-9163
47	US 5,740,436	Davis et al.	April 14, 1998	TPV 039164-9175
48	US 5,742,273	Flinders et al.	April 21 1998	TPV 039176-9185
49	US 5,764,547	Bilich et al.	June 9, 1998	TPV 039186-9193
50	US 5,828,834	Choi	October 27, 1998	TPV 039194-9205
51	US 5,850,209	Lemke et al.	December 15, 1998	TPV 039206-9220
52	US 5,887,147	Arai et al.	March 1999	see file history
53	US 5,896,546	Monahan et al.	April 20, 1999	TPV 039221-9232

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1	US 5,909,592	Shipman	June 1, 1999	TPV 039233-9244
2	US 5,910,806	Narui et al.	June 8, 1999	TPV 039245-9256
3	US 5,917,462	Suzuki et al.	June 29, 1999	TPV 039257-9281
4	US 5,943,029	Ross	August 24, 1999	TPV 039282-9296
5	US 5,948,091	Kerigan et al.	September 7, 1999	TPV 039297-9301
6	US 6,011,592	Vaughan et al.	January 4, 2000	TPV 039302-9309
7	US 6,012,103	Sartore et al.	January 4, 2000	TPV 039310-9323
8	US 6,052,740	Frederick	April 18, 2000	TPV 039324-9330
9	US 6,057,812	Arai et al.	May 2, 2000	TPV 039331-9349
10	US 6,057,860	Hoffert et al.	May 2, 2000	TPV 039350-9362
11	US 6,078,301	Arai et al.	June 20, 2000	TPV 039363-9381
12	US 6,169,535	Lee	January 2, 2001	TPV 039382-9393
13	US 6,175,356	Jung	January 16, 2001	TPV 039394-9403
14	US 6,219,451	Hunt et al.	April 17, 2001	TPV 039404-9415
15	US 6,223,283	Chaiken et al.	April 24, 2001	TPV 039416-9425
16	US 6,263,440	Pruett et al.	July 17, 2001	TPV 039426-9436
17	US 6,285,397	Webb et al.	September 4, 2001	TPV 039437-9449
18	US 6,300,921	Moriconi et al.	October 9, 2001	TPV 039450-9461
19	US 6,300,980	McGraw et al.	October 9, 2001	TPV 039462-9473
20	US 6,304,236	Arai et al.	October 16, 2001	TPV 039474-9491
21	US 6,304,895	Schneider et al.	October 16, 2001	TPV 039492-9517
22	US 6,346,930	Arai et al.	February 12, 2002	TPV 039518-9535
23	US 6,348,904	Arai et al.	February 19, 2002	TPV 039536-9554
24	US 6,437,829	Webb et al.	August 20, 2002	TPV 039555-9583
25	US 6,473,060	Kim	October 29, 2002	TPV 039584-9593
26	US 6,590,547	Moriconi et al.	July 8, 2003	TPV 039594-9606
27	US 6,590,572	Hoffert et al.	July 8, 2003	TPV 039607-9619
28	US 6,618,773	Chang et al.	September 9, 2003	TPV 039620-9630
29	US 6,639,588	Arai et al.	October 28, 2003	TPV 039631-9648
30	US 6,686,895	Arai et al.	February 3, 2004	TPV 039649-9666
31	EP 0 224 802 B1	Kallenberg	February 5, 1990	TPV 039706-9711
32	EP 0 456 923 B1	Sawdon	October 26, 1994	TPV 039749-9758
33	EP 0 653 090 B1	Moriconi et al.	November 18, 1998	TPV 039780-9792

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EP 0 042 034 A1	Ranelli	December 23, 1981	TPV 039667-9685
EP 0 182 097 A2	Landers	May 28, 1986	TPV 039686-9705
EP 0 303 138 A2	Thoma	February 15, 1989	TPV 039712-9720
EP 0 448 267 A2	Stoorza et al.	September 25, 1991	TPV 039721-9733
EP 0 456 012 A2	Ishikawa	November 13, 1991	TPV 039734-9739
EP 0 456 923 A1	Sawdon	November 21, 1991	TPV 039740-9748
EP 0 545 828 A3	Morimoto et al.	September 6, 1993	TPV 039759-9760
EP 0 612 053 A1	Flinders et al.	August 24, 1994	TPV 039761-9772
EP 0 618 561 A2	Sawdon	October 5, 1994	TPV 039773-9779
EP 0 665 525 A3	Kerigan et al.	August 2, 1995	TPV 039793-9794
EP 0 708 399 A2	Eagle et al.	April 24, 1996	TPV 039795-9804
EP 0 760 499 A1	Konishi et al	March 5, 1997	TPV 039805-9814
EP 0 856 993 A2	Hendricks et al.	August 5, 1998	TPV 039815-9909
WO 93/06587	Kunkko et al.	April 1, 1993	TPV 039910-9953
GB 2 270 451 A	Kokko	March 9, 1994	TPV 039954-9969

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